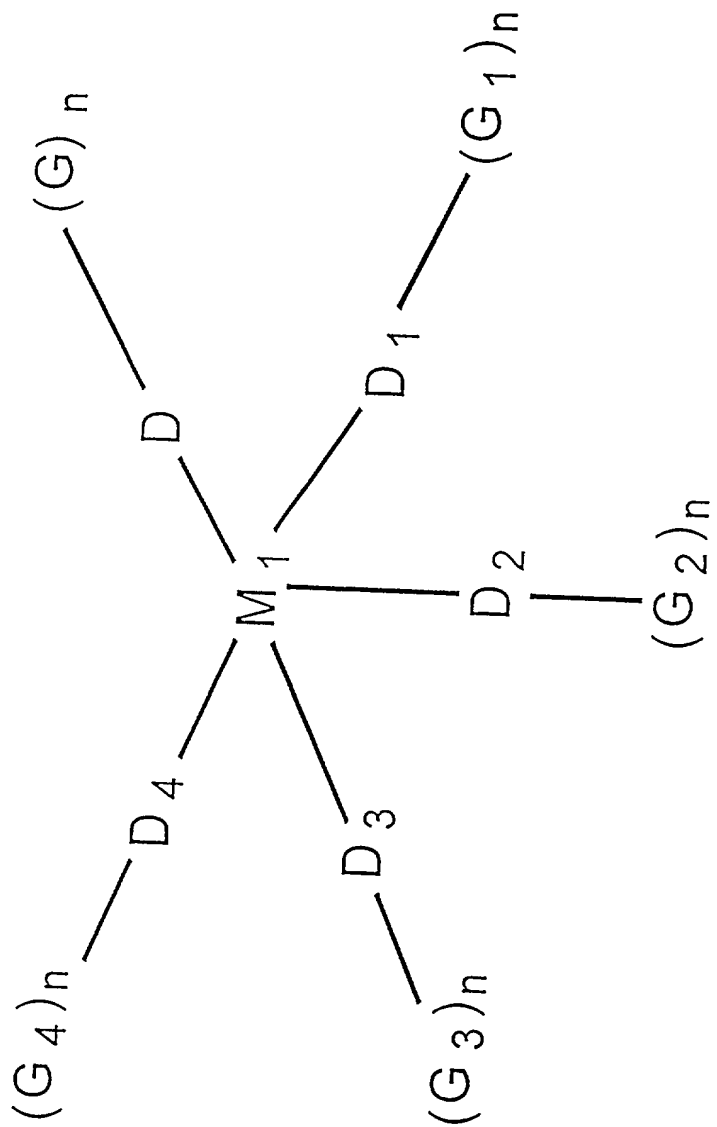


FIGURE 1



TEC

FIGURE 2

TEC A

TEC B

TEC C

TEC D

TEC E

TEC F

TEC G

TEC H

TEC I

TEC J

TEC K

TEC L

TEC M

TEC N

TEC O

TEC P

TEC Q

TEC R

TEC S

TEC T

TEC U

TEC V

TEC W

TEC X

TEC Y

TEC Z

TEC AA

TEC AB

TEC AC

TEC AD

TEC AE

TEC AF

TEC AG

TEC AH

TEC AI

TEC AJ

TEC AK

TEC AL

TEC AM

TEC AN

TEC AO

TEC AP

TEC AQ

TEC AR

TEC AS

TEC AT

TEC AU

TEC AV

TEC AW

TEC AX

TEC AY

TEC AZ

TEC BA

TEC BB

TEC BC

TEC BD

TEC BE

TEC BF

TEC BG

TEC BH

TEC BI

TEC BJ

TEC BK

TEC BL

TEC BM

TEC BN

TEC BO

TEC BP

TEC BQ

TEC BR

TEC BS

TEC BT

TEC BU

TEC BV

TEC BW

TEC BX

TEC BY

TEC BZ

TEC CA

TEC CB

TEC CC

TEC CD

TEC CE

TEC CF

TEC CG

TEC CH

TEC CI

TEC CJ

TEC CK

TEC CL

TEC CM

TEC CN

TEC CO

TEC CP

TEC CQ

TEC CR

TEC CS

TEC CT

TEC CU

TEC CV

TEC CW

TEC CX

TEC CY

TEC CZ

TEC DA

TEC DB

TEC DC

TEC DD

TEC DE

TEC DF

TEC DG

TEC DH

TEC DI

TEC DJ

TEC DK

TEC DL

TEC DM

TEC DN

TEC DO

TEC DP

TEC DQ

TEC DR

TEC DS

TEC DT

TEC DU

TEC DV

TEC DW

TEC DX

TEC DY

TEC DZ

TEC EA

TEC EB

TEC EC

TEC ED

TEC EE

TEC EF

TEC EG

TEC EH

TEC EI

TEC EJ

TEC EK

TEC EL

TEC EM

TEC EN

TEC EO

TEC EP

TEC EQ

TEC ER

TEC ES

TEC ET

TEC EU

TEC EV

TEC EW

TEC EX

TEC EY

TEC EZ

TEC FA

TEC FB

TEC FC

TEC FD

TEC FE

TEC FF

TEC FG

TEC FH

TEC FI

TEC FJ

TEC FK

TEC FL

TEC FM

TEC FN

TEC FO

TEC FP

TEC FQ

TEC FR

TEC FS

TEC FT

TEC FU

TEC FV

TEC FW

TEC FX

TEC FY

TEC FZ

TEC GA

TEC GB

TEC GC

TEC GD

TEC GE

TEC GF

TEC GG

TEC GH

TEC GI

TEC GJ

TEC GK

TEC GL

TEC GM

TEC GN

TEC GO

TEC GP

TEC GQ

TEC GR

TEC GS

TEC GT

TEC GU

TEC GV

TEC GW

TEC GX

TEC GY

TEC GZ

TEC HA

TEC HB

TEC HC

TEC HD

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TEC HV

TEC HW

TEC HX

TEC HY

TEC HZ

TEC IA

TEC IB

TEC IC

TEC ID

TEC IE

TEC IF

TEC IG

TEC IH

TEC II

TEC IJ

TEC IK

TEC IL

TEC IM

TEC IN

TEC IO

TEC IP

TEC IQ

TEC IR

TEC IS

TEC IT

TEC IU

TEC IV

TEC IW

TEC IX

TEC IY

TEC IZ

TEC JA

TEC JB

TEC JC

TEC JD

TEC JE

TEC JF

TEC JG

TEC JH

TEC JI

TEC JJ

TEC JK

TEC JL

TEC JM

TEC JN

TEC JO

TEC JP

TEC JQ

TEC JR

TEC JS

TEC JT

TEC JU

TEC JV

TEC JW

TEC JX

TEC JY

TEC JZ

TEC KA

TEC KB

TEC KC

TEC KD

TEC KE

TEC KF

TEC KG

TEC KH

TEC KI

TEC KJ

TEC KK

TEC KL

TEC KM

TEC KN

TEC KO

TEC KP

TEC KQ

TEC KR

TEC KS

TEC KT

TEC KU

TEC KV

TEC KW

TEC KX

TEC KY

TEC KZ

TEC LA

TEC LB

TEC LC

TEC LD

TEC LE

TEC LF

TEC LG

TEC LH

TEC LI

TEC LJ

TEC LK

TEC LL

TEC LM

TEC LN

TEC LO

TEC LP

TEC LQ

TEC LR

TEC LS

TEC LT

TEC LU

TEC LV

TEC LW

TEC LX

TEC LY

TEC LZ

TEC MA

TEC MB

TEC MC

TEC MD

TEC ME

TEC MF

TEC MG

TEC MH

TEC MI

TEC MJ

TEC MK

TEC ML

TEC MM

TEC MN

TEC MO

TEC MP

TEC MQ

TEC MR

TEC MS

TEC MT

TEC MU

TEC MV

TEC MW

TEC MX

TEC MY

TEC MZ

TEC NA

TEC NB

TEC NC

TEC ND

TEC NE

TEC NF

TEC NG

TEC NH

TEC NI

TEC NJ

TEC NK

TEC NL

TEC NM

TEC NN

TEC NO

TEC NP

TEC NQ

TEC NR

TEC NS

TEC NT

TEC NU

TEC NV

TEC NW

TEC NX

TEC NY

TEC NZ

TEC OA

TEC OB

TEC OC

TEC OD

TEC OE

TEC OF

TEC OG

TEC OH

TEC OI

TEC OJ

TEC OK

TEC OL

TEC OM

TEC ON

TEC OO

TEC OP

TEC OQ

TEC OR

TEC OS

TEC OT

TEC OU

TEC OV

TEC OW

TEC OX

TEC OY

TEC OZ

TEC PA

TEC PB

TEC PC

TEC PD

TEC PE

TEC PF

TEC PG

TEC PH

TEC PI

TEC PJ

TEC PK

TEC PL

TEC PM

TEC PN

TEC PO

TEC PP

TEC PQ

TEC PR

TEC PS

TEC PT

TEC PU

TEC PV

TEC PW

TEC PX

TEC PY

TEC PZ

TEC QA

TEC QB

TEC QC

TEC QD

TEC QE

TEC QF

TEC QG

TEC QH

TEC QI

TEC QJ

TEC QK

TEC QL

TEC QM

TEC QN

TEC QO

TEC QP

TEC QQ

TEC QR

TEC QS

TEC QT

TEC QU

TEC QV

TEC QW

TEC QX

TEC QY

TEC QZ

TEC RA

TEC RB

TEC RC

TEC RD

TEC RE

TEC RF

TEC RG

TEC RH

TEC RI

TEC RJ

TEC RK

TEC RL

TEC RM

TEC RN

TEC RO

TEC RP

TEC RQ

TEC RR

TEC RS

TEC RT

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TEC RW

TEC RX

TEC RY

TEC RZ

TEC SA

TEC SB

TEC SC

TEC SD

TEC SE

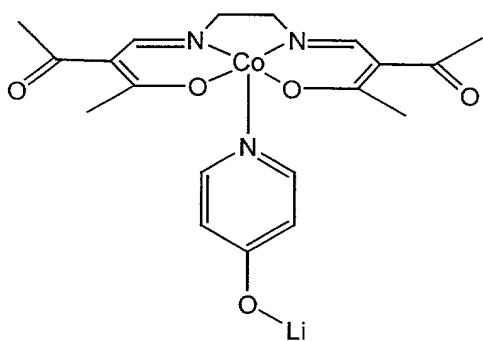
TEC SF

TEC SG

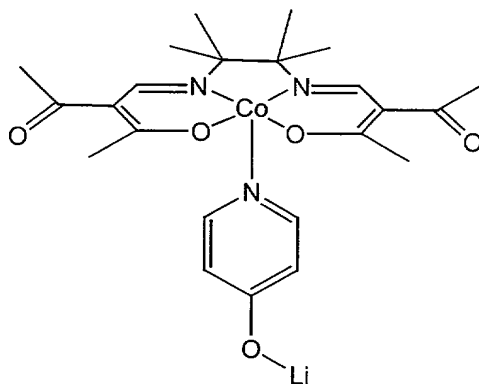
TEC SH

TEC SI

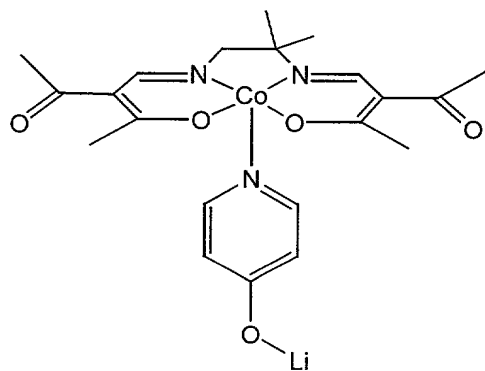
TEC SJ



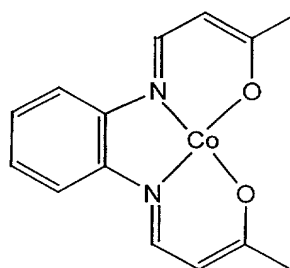
Co{Me<sub>2</sub>Ac<sub>2</sub>H<sub>2</sub>malen}(4-PyOLi)



Co{Me<sub>2</sub>Ac<sub>2</sub>H<sub>2</sub>maltmen}(4-PyOLi)



Co{Me<sub>2</sub>Ac<sub>2</sub>H<sub>2</sub>maldmen}(4-PyOLi)



Co{Me<sub>2</sub>H<sub>2</sub>H<sub>2</sub>malophen}

Figure 4

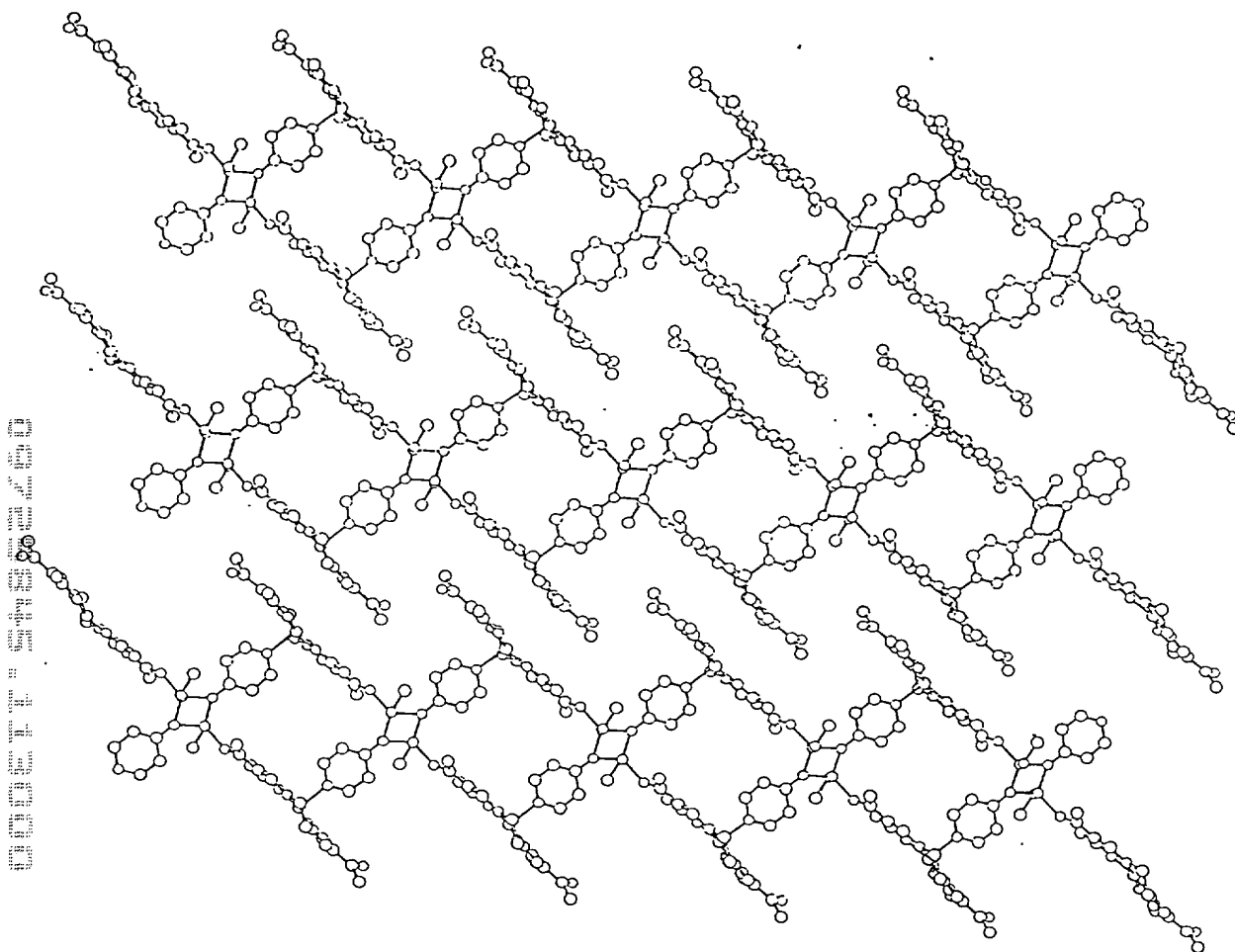


FIGURE 5 CRYSTAL STRUCTURE OF  $\text{Co}(\text{Me Ac H malen})_2(4\text{-PyOLi})_2(\text{MeOH})_2$

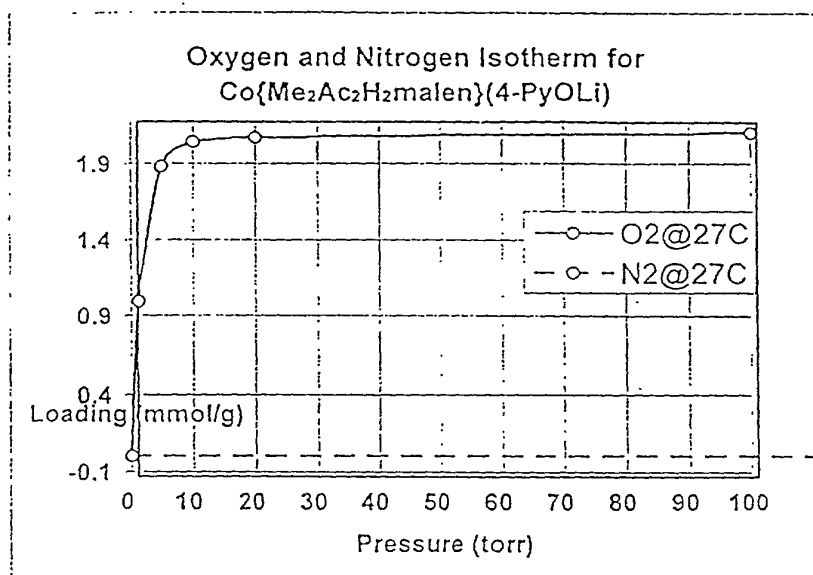


FIGURE 6 OXYGEN AND NITROGEN ISOTHERMS FOR  $\text{Co}\{\text{Me}_2\text{Ac}_2\text{H}_2\text{malen}\}(4\text{-PyOLi})$   
2 2 2

2025-04-23 10:00:00

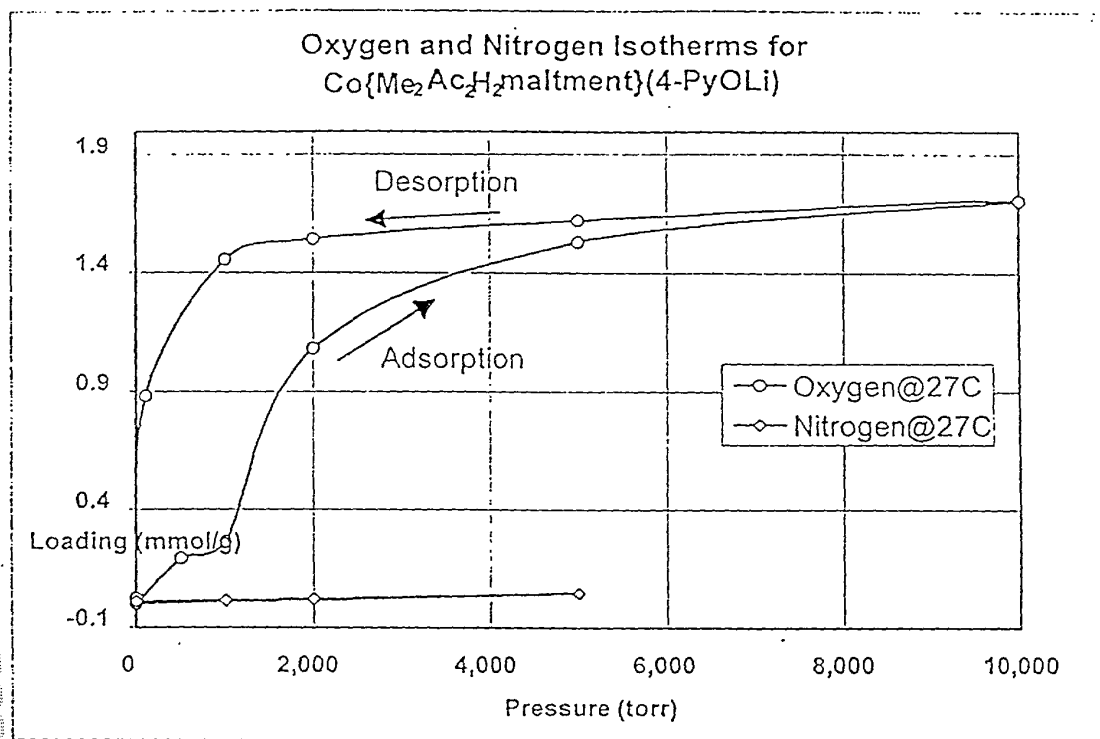


FIGURE 7 NITROGEN & OXYGEN ISOTHERMS FOR  $\text{Co}\{\text{Me}_2\text{Ac}_2\text{H}_2\text{malen}\}(4\text{-PyOLi})$   
AT 27°C

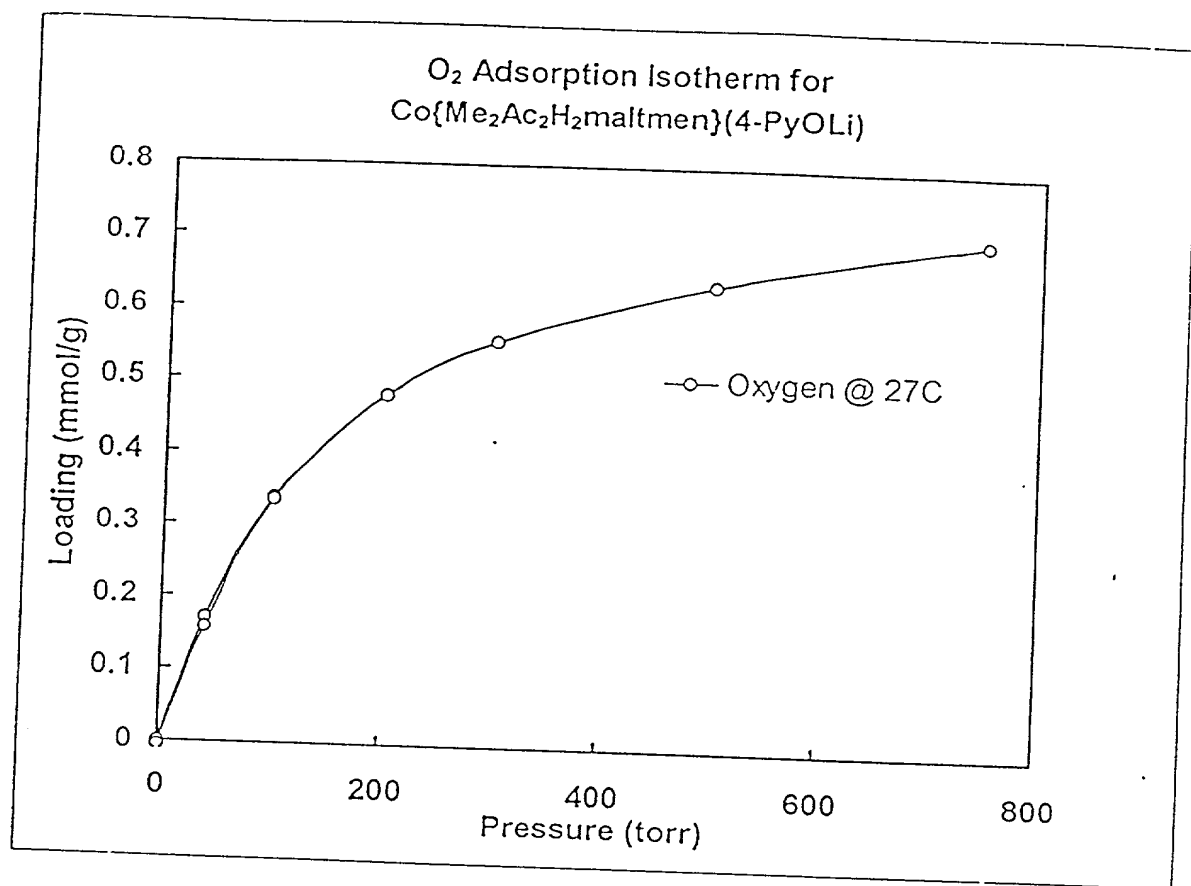


Figure 8 Oxygen Isotherm for Co{Me<sub>2</sub>Ac<sub>2</sub>H<sub>2</sub>maltmen}(4-PyOLi) at 27 °C



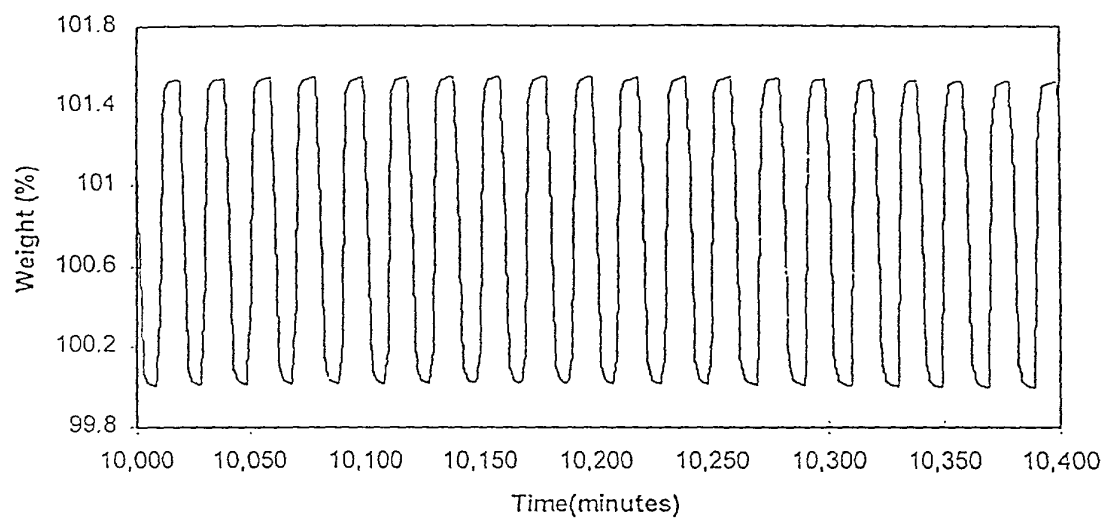


FIGURE 9

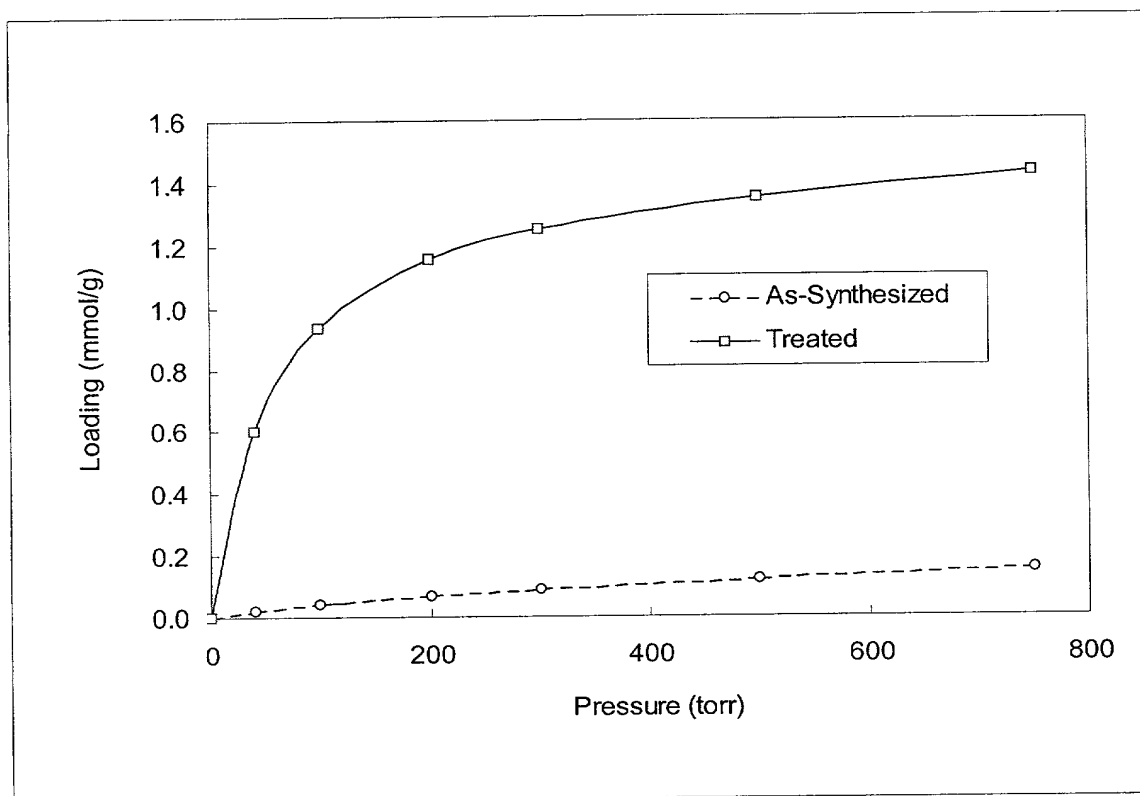


Figure 10. Oxygen Isotherms for As-synthesized and Treated  $\text{Co}(\text{Me}_2\text{Ac}_2\text{H}_2\text{maltmen})(4\text{-PyOLi})$

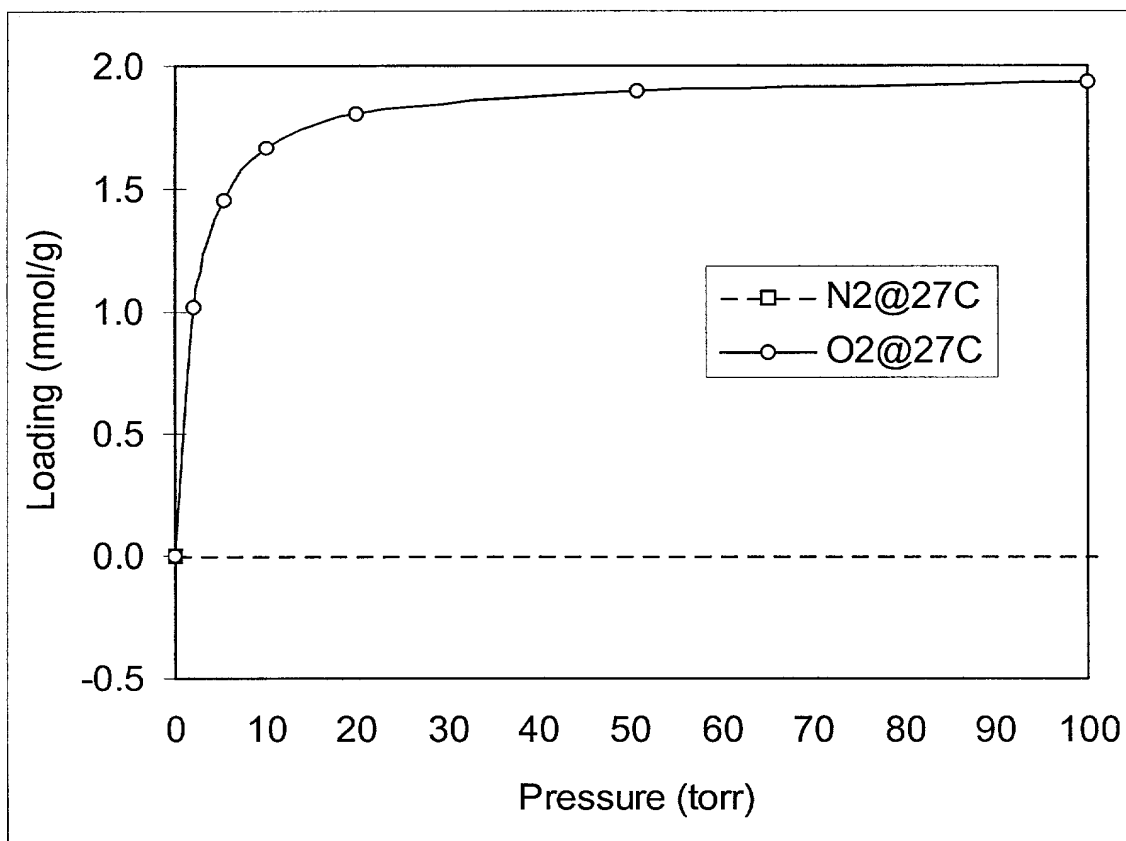


Figure 11. Oxygen and Nitrogen Isotherms for  
 $\text{Co}(\text{Me}_2\text{Ac}_2\text{H}_2\text{maldmen})(4\text{-PyOLi})$